

Title (en)  
TRANSMISSION CIRCUIT AND COMMUNICATION APPARATUS

Title (de)  
ÜBERTRAGUNGSSCHALTUNG UND KOMMUNIKATIONSGERÄT

Title (fr)  
CIRCUIT DE TRANSMISSION ET APPAREIL DE COMMUNICATION

Publication  
**EP 2056479 A1 20090506 (EN)**

Application  
**EP 07791451 A 20070727**

Priority  
• JP 2007064757 W 20070727  
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Abstract (en)  
Provided is a transmission circuit (1) which accurately compensates offset characteristics of an amplitude modulating section (15) and operates at low distortion and high efficiency over a wide output power range. A signal generating section (11) outputs an amplitude signal and an angle modulation signal. An amplitude amplifying section (14) supplies the amplitude modulating section (15) of a voltage corresponding to the magnitude of the inputted amplitude signal. The amplitude modulating section (15) modulates the amplitude of an angle modulation signal by the voltage supplied from the amplitude amplifying section (14), and outputting it as a modulation signal. A temperature measuring section measures the temperature of the amplitude modulating section (15). An offset compensating section (12) calculates an offset compensation value based on the temperature change of the amplitude modulating section (15) from an initial status, and adds the calculated offset compensation value to the amplitude signal.

IPC 8 full level  
**H04B 1/04** (2006.01); **H03C 5/00** (2006.01); **H03F 1/02** (2006.01); **H03F 1/32** (2006.01); **H03F 3/24** (2006.01); **H04L 27/04** (2006.01); **H04L 27/36** (2006.01)

CPC (source: EP US)  
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DE GB

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